



TECHNICAL SERVICE BULLETIN

3.5L EcoBoost/2.7L EcoBoost - Illuminated MIL With DTC P04F0 And/Or P144C

19-2132

30 April 2019

Model:

Ford
2018-2019 Expedition
2018-2019 F-150
Lincoln
2018-2019 Navigator

Issue: Some 2018-2019 F-150 vehicles equipped with a 3.5L EcoBoost or 2.7L EcoBoost engine and some 2018-2019 Expedition and Navigator vehicles equipped with a 3.5L EcoBoost engine may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble code (DTC) P04F0 and/or P144C stored in the powertrain control module (PCM). This may be due to loose or partially connected evaporative emissions (EVAP) vapor lines.

Action: Before completing the Powertrain Control/Emissions Diagnosis (PC/ED) Manual pinpoint test (PPT) HX follow the Service Procedure steps on vehicles that meet all of the following criteria:

- 2018-2019 F-150/Expedition/Navigator
- 3.5L EcoBoost or 2.7L EcoBoost engine
- DTC P04F0 and/or P144C stored in the PCM

Warranty Status: Information Only.

Repair/Claim Coding

Causal Part:	IN
Condition Code:	33

Service Procedure

1. Visually inspect and push and pull on each of the following EVAP connections to verify a proper connection:

- Vapor line connections to the vacuum port side and pressure port side of the ejector. Refer to Figure 1 for 3.5L and Figure 2 for 2.7L.
- Vapor line connection at the port on air intake system (AIS) duct at throttle body inlet. Refer to Figure 3 for 3.5L and Figure 4 for 2.7L.
- Vapor line connection at the vacuum side of purge valve (side port on the purge valve). Refer to Figure 5 for 3.5L and Figure 6 for 2.7L.

Figure 1

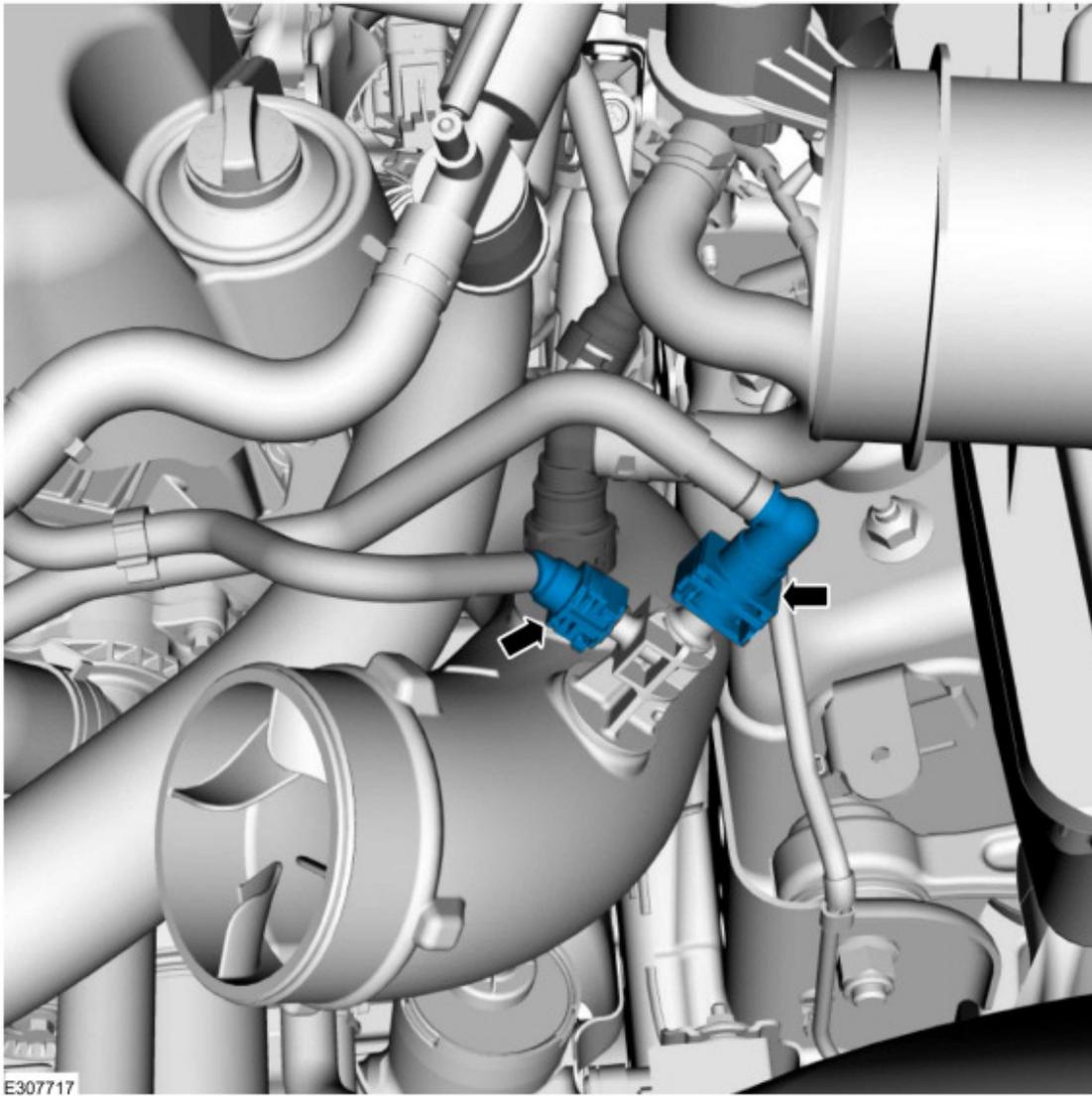


Figure 2

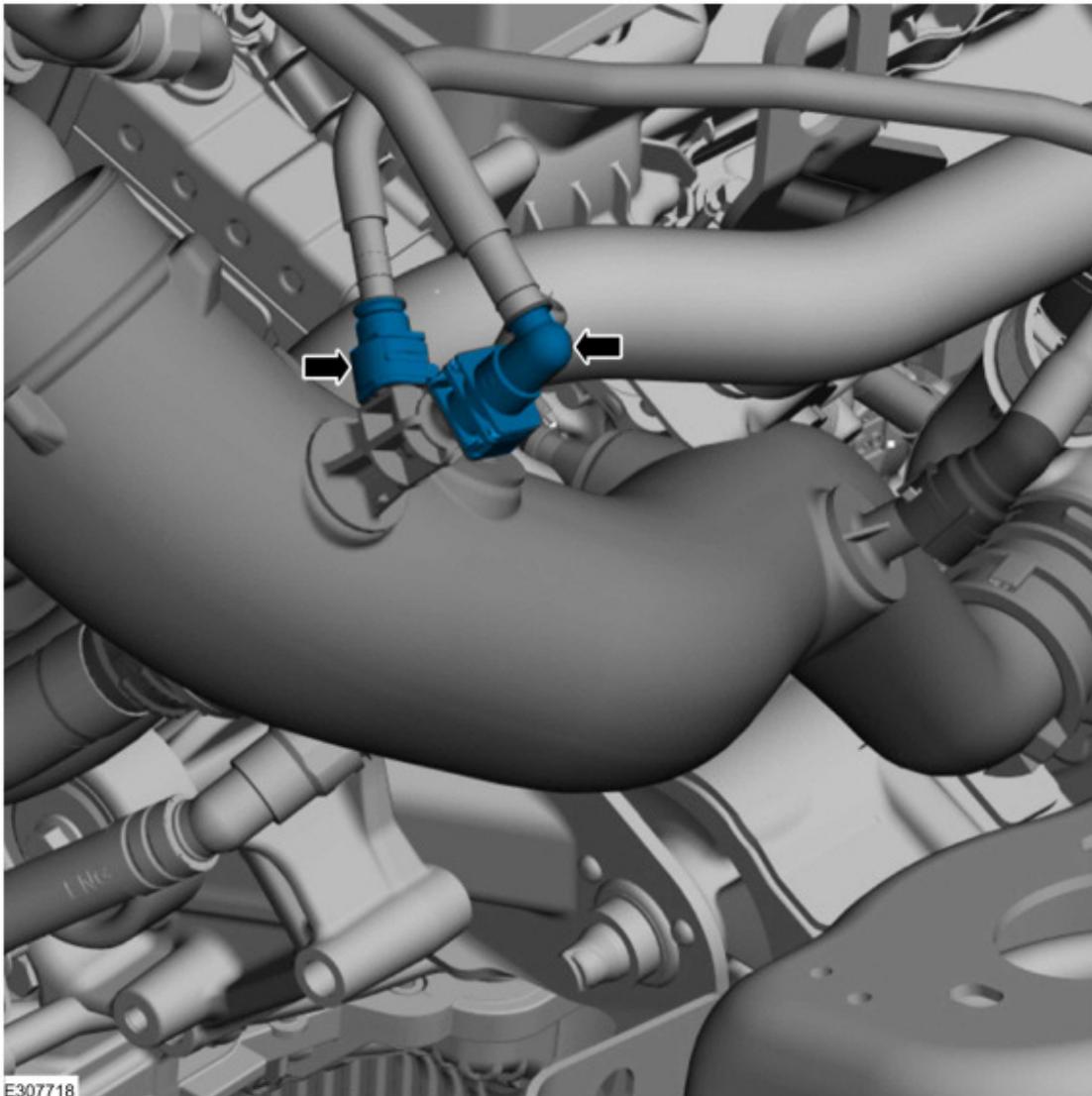


Figure 3

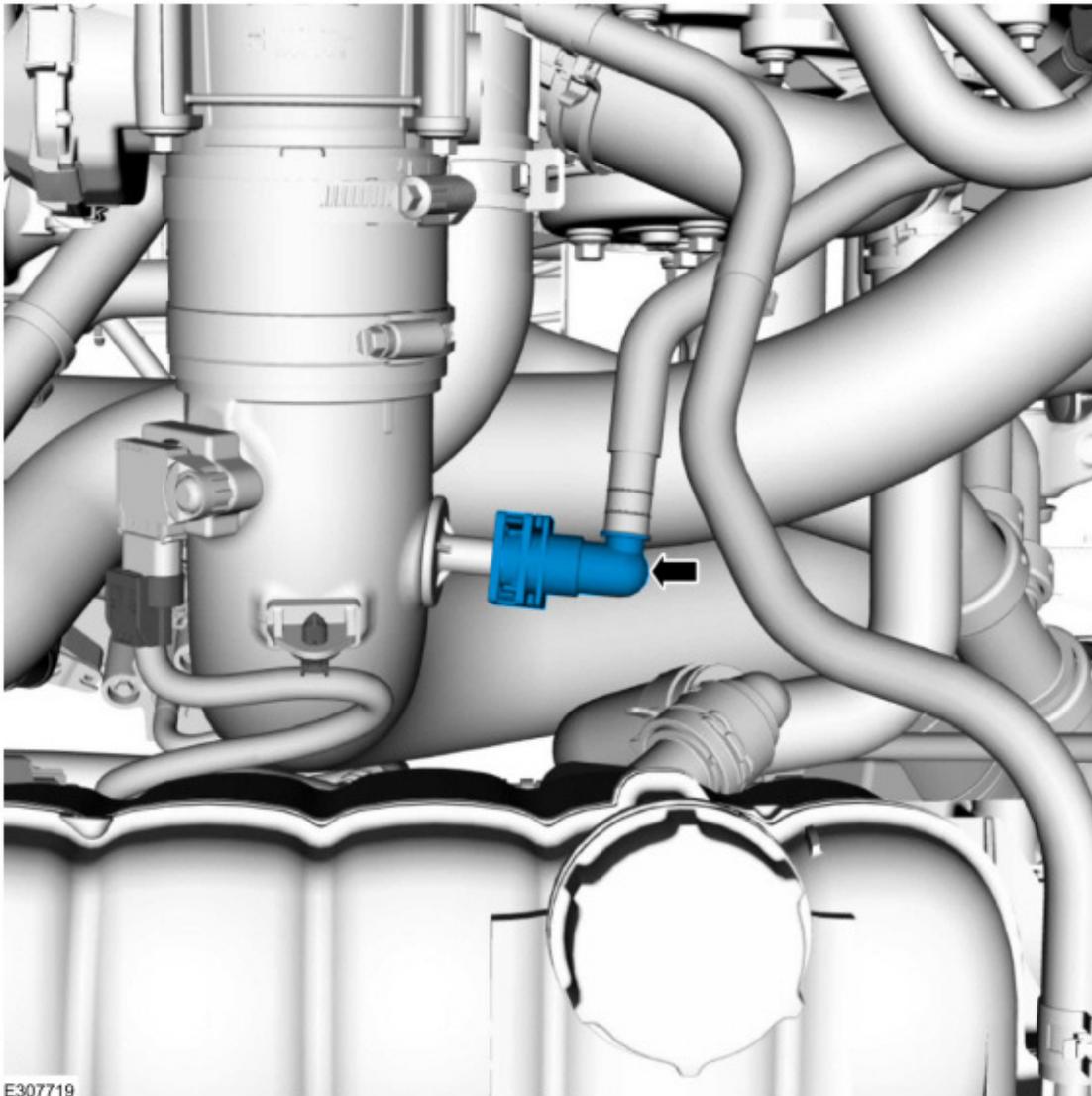


Figure 4

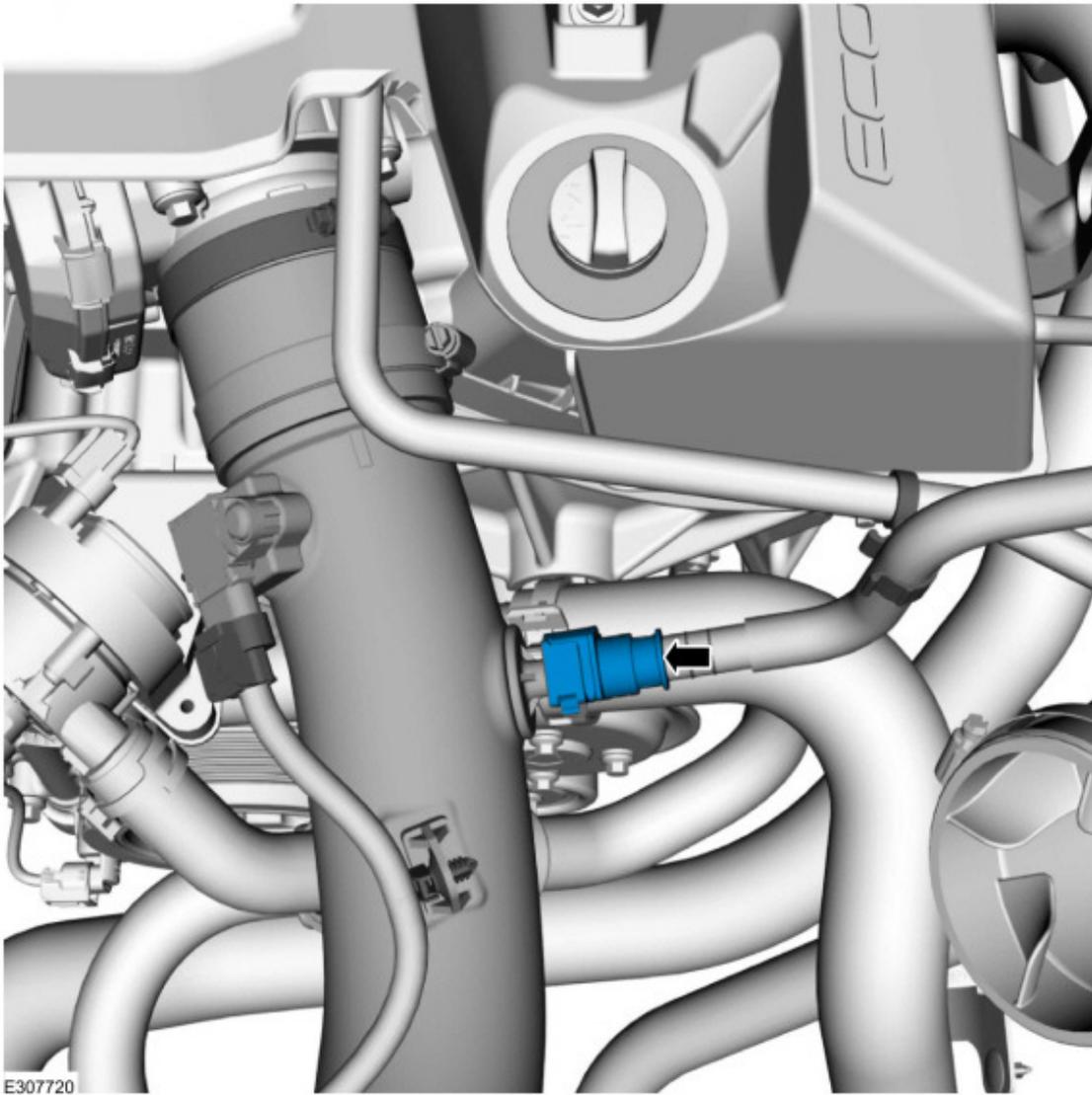
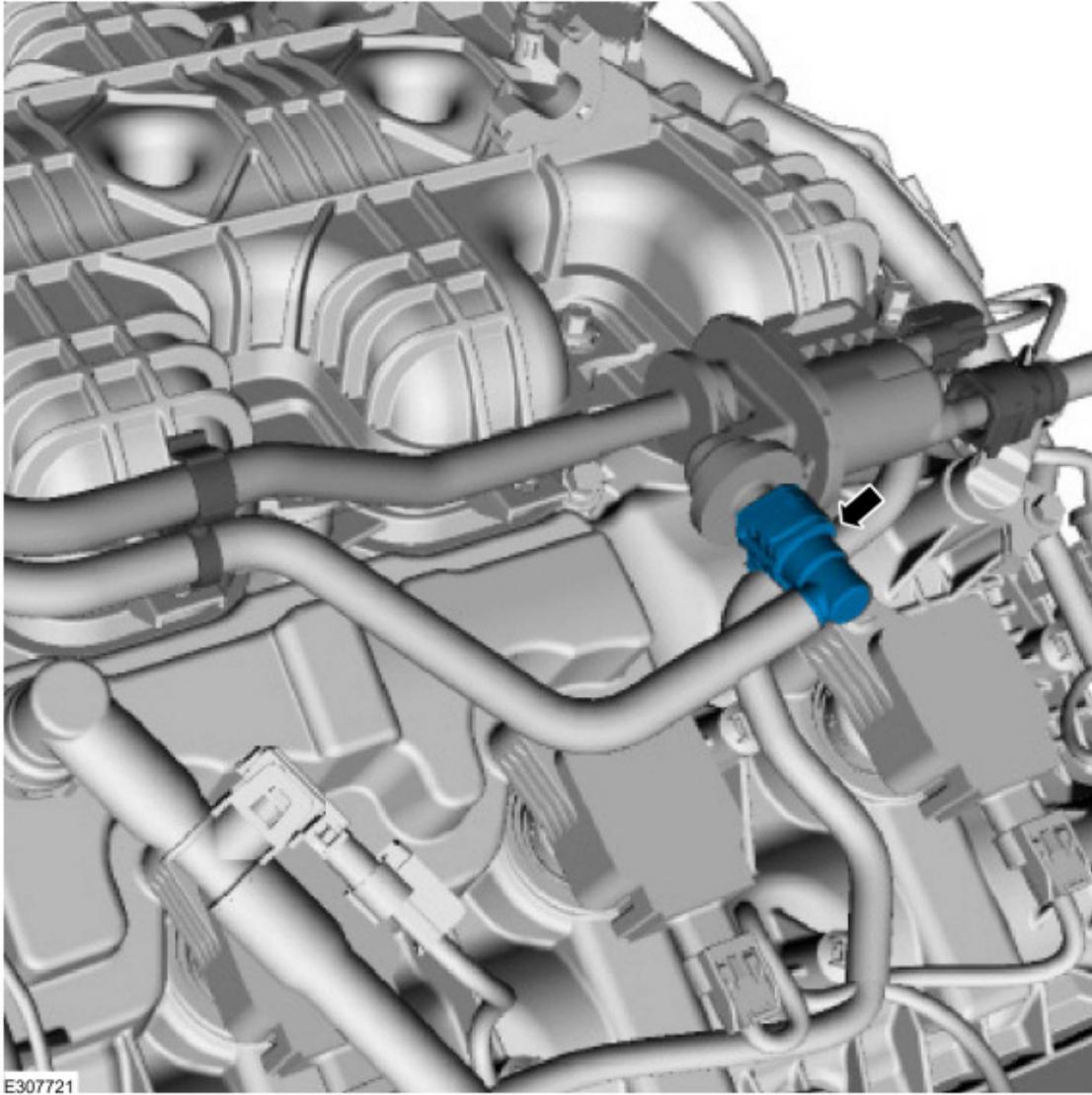
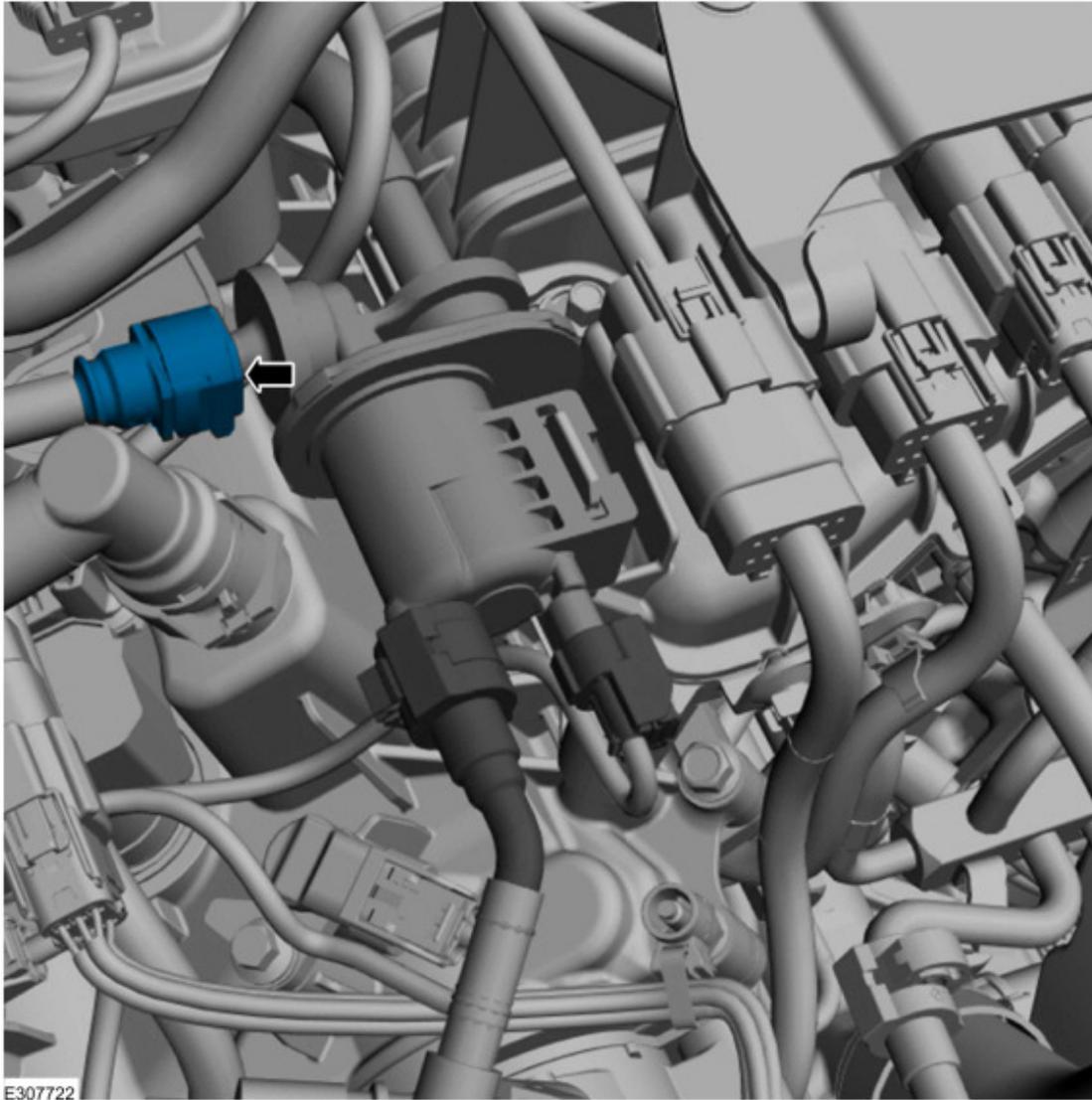


Figure 5



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Figure 6



2. If no loose or partial connections are found, refer to the PC/ED Manual for normal diagnostics.

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NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.